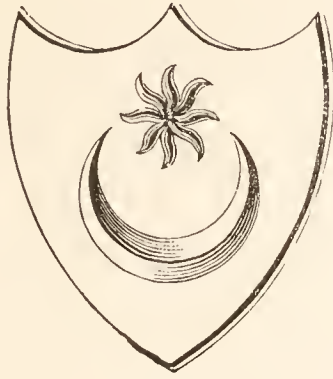




1893.



Borough of Portsmouth.

R E P O R T

ON THE

HEALTH OF PORTSMOUTH

FOR THE YEAR 1893,

BY

B. H. MUMBY, M.D.,

D.P.H. Cambs. ; F.R. Met. S. : F.S.S.,

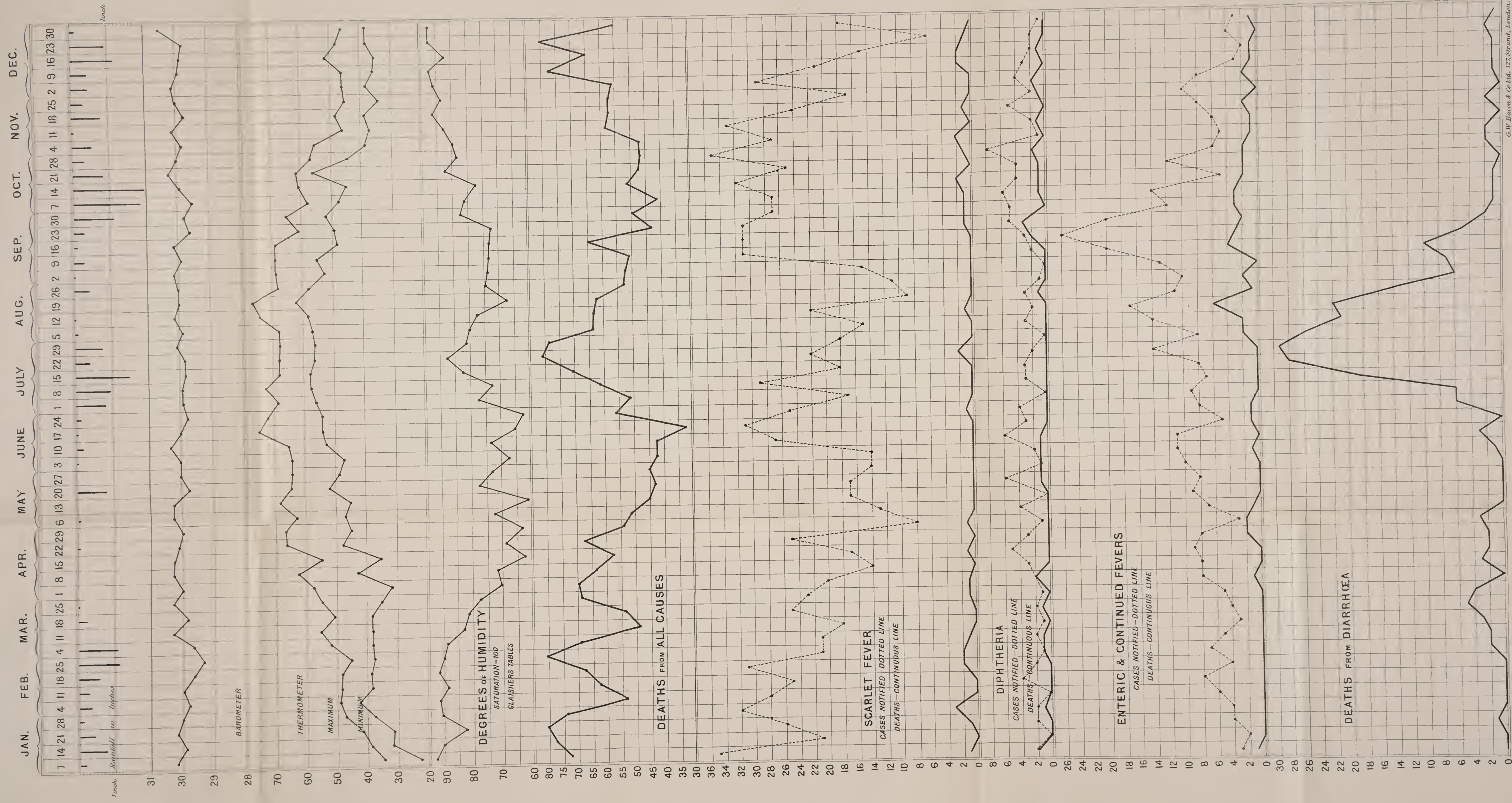
*Medical Officer of Health and Public Analyst for the Borough ;
Medical Officer of Health for the Port of Portsmouth ; and
Medical Officer to the Milton Infectious Diseases Hospital.*

Portsmouth :

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46, HIGH STREET.



METEOROLOGICAL AND DISEASE CHART FOR 1893.



ABSTRACT OF METEOROLOGICAL OBSERVATIONS made at Milton Hospital during the Year 1893.

DATE.	— Week ending	Barometer reduced to Sea Level and 32° F.	TEMPERATURE.													Humidity, Mean, 9 a.m.	Total Sunshine registered by Jordan's Recorder.	Cloud, Mean Amount, 9 a.m.	WIND.								RAINFALL.					
			IN SHADE.							IN SUN.		ON GRASS.		Mean of Earth below Ground.					Wet Bulb Mean 9 a.m.	Number of Days.								Total.	No. of Days 0.01 inch or more rainfall	Greatest fall in 24 hours.	Date of Greatest Fall.	
			Mean 9 a.m.	Mean Max.	Mean Min.	Mean of Max. and Min.	Mean Range	Highest Max.	Lowest Min.	Blk. bulb in vacuo Mean.	Bright b. in vacuo Mean.	Mean Min.	Lowest Min.	1ft.	4ft.					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.					
Jan.	7...	30.121	27.60	33.35	23.42	28.34	9.93	36.0	20.0	59.21	41.36	18.71	12.0	33.21	43.93	27.50	93	10 55	4.90	...	3	1	3	0.17	2	0.11	Jan.	7
"	14...	29.971	34.70	37.64	31.71	31.82	5.93	40.5	29.0	53.21	41.71	27.43	21.5	33.29	42.35	34.10	90	4	8.42	...	4	1	2	0.79	5	0.56	"	9
"	21...	30.203	36.42	41.57	33.25	36.96	8.32	46.0	25.0	60.80	47.07	26.64	15.5	32.07	41.35	34.42	82	6 10	8.28	...	1	...	1	...	...	2	0.39	5	0.25	"	16
"	28...	30.116	41.50	46.71	37.35	42.03	9.36	51.0	33.0	74.42	55.71	32.57	23.0	39.50	41.40	40.50	90	10	5.20	...	...	...	1	3	...	3	0.12	2	0.08	"	28
Feb.	4...	29.984	46.29	49.71	42.28	46.00	7.43	53.0	39.5	77.85	58.78	40.00	36.0	43.28	42.64	45.14	91	10 50	8.71	...	...	...	1	3	1	1	0.35	4	0.18	"	31
"	11...	30.039	42.64	48.64	37.21	42.92	11.43	53.0	30.0	85.50	61.00	32.64	19.0	41.50	43.80	41.29	89	20 30	6.28	...	...	...	2	...	4	1	0.32	5	0.10	Feb.	7
"	18...	29.766	45.29	49.79	39.00	44.39	10.79	53.0	33.0	84.28	61.21	32.92	26.0	42.71	44.00	44.36	91	13 40	7.00	4	2	...	1	0.57	7	0.27	"	18
"	25...	29.475	40.00	45.00	37.78	41.39	7.22	51.0	30.0	86.00	59.14	35.78	26.0	42.93	44.42	38.71	90	16 35	8.88	...	3	...	1	...	2	...	1	1.18	5	0.61	"	20
Mar.	4...	29.725	44.14	51.50	38.79	45.14	12.71	56.0	32.0	91.57	65.64	35.07	27.0	43.00	44.14	42.92	89	16 55	7.71	1	...	...	2	...	4	...	1.04	7	0.37	"	26
"	11...	30.326	44.07	53.64	38.28	45.96	15.36	60.0	32.0	100.64	70.14	29.57	21.5	44.85	44.85	42.35	83	27 50	3.42	3	4	"	...
"	18...	29.901	46.14	51.14	38.71	44.92	12.43	54.0	31.0	100.92	69.14	33.57	22.0	45.00	45.50	44.97	81	27 55	6.71	...	1	...	1	...	2	3	0.23	2	0.17	Mar.	16	
"	25...	30.378	46.57	54.85	34.35	44.60	20.50	61.0	27.5	108.11	74.07	22.85	15.0	43.57	45.64	43.14	77	44 55	0	...	3	4	...	...	...	...	0.01	1	0.01	"	19
April	1...	30.056	49.57	57.07	31.55	46.46	25.52	58.5	33.5	113.14	77.00	27.07	24.0	46.40	46.00	45.07	70	46 20	0.08	...	2	4	1	"	...
"	8...	30.229	51.71	62.64	41.64	52.14	21.00	64.0	39.0	113.71	80.50	35.14	30.0	49.21	46.85	47.71	71	50 45	0.05	...	5	2	"	...
"	15...	30.318	46.80	55.86	34.71	45.28	21.15	66.0	30.0	117.80	78.07	29.50	22.5	48.14	47.85	43.00	62	43 40	5.	...	4	3	"	...
"	22...	30.114	59.00	64.93	47.43	56.18	17.50	73.0	39.5	120.94	84.07	38.30	28.0	53.07	48.50	53.50	69	44	2.14	...	...	2	2	...	3	...	0.02	1	0.02	April	16
"	29...	30.006	58.07	66.80	43.21	55.01	23.59	74.5	38.0	123.30	86.93	35.71	31.5	55.86	50.35	51.50	64	48 35	2.85	...	1	3	1	2	"	...
May	6...	30.224	57.80	63.14	46.30	54.71	16.84	69.5	44.0	123.00	84.14	40.57	37.0	56.64	51.57	53.14	73	44 28	2.85	...	...	2	1	1	1	1	0.02	1	0.02	April	30
"	13...	30.258	58.14	67.78	44.71	56.25	23.07	71.0	40.0	126.43	88.43	39.78	35.0	57.71	52.78	51.00	61	53 25	1	...	5	1	1	"	...
"	20...	29.762	60.07	64.71	51.71	58.21	13.00	72.5	47.5	121.14	84.43	46.21	40.0	60.50	54.14	56.43	77	37 20	6.71	2	...	2	1	2	...	0.07	6	0.24	May	17
"	27...	30.036	59.00	65.43	49.43	57.43	16.00	70.5	47.0	126.14	87.00	42.93	40.0	60.00	55.14	54.07	73	35 55	3.85	1	1	2	1	"	...
June	3...	30.054	58.90	64.00	46.43	55.21	17.57	72.5	41.0	123.40	83.30	38.30	27.5	60.60	56.00	53.00	67	24 5	4.7	1	1	...	...	3	...	1	0.01	1	0.01	May	29
"	10...	30.330	59.40	66.90	51.20	59.10	15.70	72.0	45.0	126.20	88.07	44.40	34.0	63.00	56.60	55.07	73	38 5	5.1	...	2	1	1	...	1	...	0.28	2	0.26	June	5	
"	17...	30.080	67.90	75.80	53.50	64.60	22.30	84.5	48.5	133.30	96.50	46.10	42.0	63.50	57.60	59.60	57	41 15	4.7	2	1	2	2	...	...	...	0.03	1	0.03	"	13
"	24...	29.804	66.10	71.00	53.30	62.21	17.80	85.0	48.5	123.60	87.50	45.60	39.0	68.40	59.60	58.80	63	32 45	5.7	1	2	...	...	1	2	...	0.12	2	0.06	"	22
July	1...	29.924	63.40	68.00	55.40	61.70	12.60	74.0	51.0	129.00	89.40	50.80	42.0	63.40	59.90	59.70	76	38	4.7	2	1	...	2	2	...	0.89	3	0.62	"	27
"	8...	29.944	67.60	72.30	57.70	65.00	14.60	76.0	54.5	129.00	92.10	51.20	47.0	68.00	60.40	62.40	71	50	3.4	1	2	1	1									



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Drainage and Sanitary Committee.

THE WORSHIPFUL THE MAYOR, ALDERMAN A. L. EMANUEL, J.P.

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ALDERMAN SIR WILLIAM PINK, J.P., K.L.H.

Vice-Chairman—

ALDERMAN A. CUDLIPP.

ALDERMAN ROBERT BARNES, J.P.

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„	T. E. BASKETT	„	H. PALIN
		„	W. T. DUPREE

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Medical Officer of Health—

B. H. MUMBY, M.D., D.P.H.

Chief Inspector—

F. L. BELL, CERT. SAN. INST.

Inspector C.D.A. Act, and Assistant Sanitary Inspector—

G. W. MONCKOM.

Clerk—

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Assistant Clerk—

H. C. MONKCOM.

Disinfector—

A. AYLMER.

Infectious Diseases Hospital.

Matron—

MRS. M. A. ANTRAM.

Report
of the
Medical Officer of Health
to the
Urban Sanitary Authority
of the
Borough of Portsmouth,

For the Year ending the 31st day of December, 1893.

GENTLEMEN,

In presenting to you my report upon the Health of Portsmouth, for the year 1893, I am pleased to be able to say that the health of the town was good. In comparison with the previous 10 years, the death-rate is a trifle lower, and when compared with the 33 large towns, Portsmouth in the lowness of its death-rate stands fourth, ranking after Croydon, Huddersfield, and Halifax. From the public health standpoint, the most noticeable event of the year was a mild but extensive epidemic of Scarlet Fever, and an increased prevalence of Autumnal Diarrhœa, the latter, no doubt, induced by the unusual heat of the season. Owing to the excellent water supply, which was not in any way affected by the drought, Portsmouth suffered very little from the unusual want of rain which was experienced. More water was necessarily used for flushing the sewers, but this was readily supplied by the Water Company.

I have the honour to remain,

Your obedient Servant,

B. H. MUMBY, M.D.,

Medical Officer of Health.

Statistics.

The area under the control of the Sanitary Authority is 4,486 acres of land, of which 881 acres are water and foreshore. The average number of persons per acre is 37.2, but the population is not by any means equally distributed, as a large part of the area is still agricultural land, whilst in other parts there is considerable overcrowding.

The population, estimated after the method of the Registrar General, was 167,285 in the middle of the year, and it is upon that number that the death-rates of the year are calculated. The populations of the sub-districts are estimated after a similar method, but also taking into consideration the growth or decrease of each district; they are as follows: — Portsmouth, 6,987; Portsea, 15,398; Kingston, 61,212; Landport, 69,888; Southsea, 13,798.

During the past year the sub-district of Landport had a portion detached from it and added to the Portsmouth sub-district, which, with its enlarged area, is now known as the Portsmouth and Southsea sub-district. The lower part of the district known as Southsea, is still included in the Landport sub-district.

TABLE I.

Table, showing the Population, Marriages, Inhabited Houses, Births and Deaths, for the year 1893, and the 10 preceding years.

GROSS NUMBERS.

Year.	Estimated Population	No. of Inhabited Houses.	Marriages.	Registered Births.	Correct No. of Deaths.		
					Total all Ages.	Under 1 Year.	Under 5 Years.
1893	167,285	30,984	1,459	4,708	3,058	763	1,171
1892	163,667	30,305	1,464	4,563	3,026	719	1,068
1891	160,128	29,544	1,429	4,803	3,053	665	1,143
1890	156,667	28,875	1,318	4,881	2,847	648	941
1889	153,279	28,206	1,460	4,943	2,565	697	1,036
1888	149,966	27,539	1,385	4,976	2,614	671	988
1887	146,724	26,873	1,395	5,004	2,681	725	1,053
1886	143,552	26,204	1,471	4,918	3,257	885	1,461
1885	140,448	25,537	1,322	4,592	2,676	608	945
1884	137,412	24,870	1,316	4,675	2,587	592	1,023
1883	134,441	24,203	1,345	4,648	2,446	643	927
Average ten years 1883-92	148,628	27,215	1,390	4,799	2,776	685	1,059

NOTES.

- 1.—Population at Census, 1891 ... 159,255
- 2.—Area in Acres ... 4,486
- 3.—Average number of persons in each house at Census ... 5.4
- 4.—Average number of persons per acre at Census ... 35.5

TABLE II.

Table showing the Annual Birth Rate, Rate of Mortality, and Death Rates among Children for the Year 1893 and 10 Years preceding.

Years	Birth Rate per 1000 of the Population	Annual Rate of Mortality per 1000 living from all causes.	Annual Rate of Mortality per 1000 living from 7 principal Zymotic Diseases.	Deaths of Children under 1 year. Percentage of Total Deaths	Percentage of Deaths of Children under 1 year to Registered Births	Deaths of Children under 5 years Percentage of Total Deaths.
1893	28·14	18·28	3·09	24·9	16·4	38·3
1892	27·88	18·49	1·89	20·4	15·5	35·3
1891	29·90	19·06	2·49	21·7	13·8	37·4
1890	30·15	18·16	1·69	22·5	13·5	32·7
1889	31·25	16·71	1·95	27·1	14·1	40·3
1888	33·18	17·43	1·33	25·6	13·4	37·5
1887	34·10	18·27	2·24	27·0	14·3	39·2
1886	34·26	22·68	4·87	27·1	17·0	44·6
1885	32·91	19·05	2·24	26·4	13·2	35·2
1884	34·11	19·22	2·89	22·9	12·7	39·6
1883	34·57	18·19	2·04	26·3	13·8	40·0
Average of 10 years 1883-1892	32·23	18·73	2·36	24·7	13·8	38·1

TABLE III.

Deaths Registered at several groups of Ages from different classes of Diseases during the Year ending December 30th, 1893.

CAUSE OF DEATH.	A G E S.											DISTRICTS.					Total.			
												Ports-mouth	Port-sea	Kingston	Land-port	South-sea				
	0 to 1	1 to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 60	60 to 75	75 to 85	85 and over									
Classes.																				
I.—ZYMOTIC DISEASES	...	214	188	53	27	33	20	25	13	8	34	15	3	13	51	306	245	18	633	
II.—PARASITIC DISEASES	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
III.—DIETIC DISEASES	...	6	...	...	...	2	5	1	1	...	...	...	...	1	1	9	3	1	15
VI.—CONSTITUTIONAL DISEASES	...	44	36	33	56	79	82	75	29	21	41	11	1	17	37	239	190	25	508	
V.—DEVELOPMENTAL DISEASES	...	110	...	2	...	...	...	...	...	4	54	98	36	5	18	147	119	15	304
VI.—LOCAL DISEASES	...	259	173	47	46	59	128	165	72	86	222	112	21	43	127	594	539	87	1390	
VII.—DEATHS FROM VIOLENCE	...	15	8	8	9	8	4	12	3	3	6	2	...	8	8	26	26	10	78	
VIII.—NOT SPECIFIED OR ILL-DEFINED	...	115	3	1	...	...	2	1	1	2	3	2	...	4	7	55	60	4	130
TOTALS	...	763	408	144	138	181	241	279	119	124	360	240	61	91	249	1376	1182	160	3058	
Class I.	ZYMOTIC DISEASES—																			
	Order 1.—Miasmatic Diseases																			
	Measles	...	14	95	11	...	...	...	...	...	...	...	...	5	11	49	54	1	120
	Scarlet Fever	...	1	17	6	2	3	...	...	...	...	...	...	...	5	20	6	1	32
	Whooping Cough	...	13	21	2	...	...	...	...	...	...	...	...	1	...	22	13	...	36
	Diphtheria	...	...	16	12	1	...	...	...	...	...	...	...	...	1	17	9	2	29
	Enteric or Typhoid Fever	...	2	6	21	9	3	4	...	...	...	...	1	1	...	31	19	3	54
	Other Miasmatic Diseases	...	4	3	1	6	5	4	4	2	13	5	1	...	6	23	23	1	53	
	Order 2.—Diarrhoeal Diseases																			
	Diarrhoea, Dysentery	...	166	27	...	2	5	9	7	3	11	10	1	4	22	112	104	5	247	
	Order 3.—Malarial Diseases																			
	Ague	...	...	...	...	1	1	1	...	...	1	...	...	...	2	...	1	1	4
	Order 4.—Zoonous Diseases																			
	Cowpox, and Effects of Vaccination	...	1	...	...	...	1	...	...	...	1	...	...	...	...	3	...	...	3
	Order 5.—Venereal Diseases																			
	Syphilis	...	6	2	3	1	1	...	...	...	...	...	...	2	2	8	...	1	13
	Gonorrhoea, Stricture of Urethra	...	...	...	...	1	...	1	...	...	...	...	...	...	...	2	...	...	2
	Order 6.—Septic Diseases																			
	Erysipelas	...	7	...	...	...	...	5	1	2	8	...	...	...	1	10	11	1	23

[illegible]

TABLE III. (Continued).

CAUSE OF DEATH.		A G E S.										DISTRICTS.					Total.		
		0 to 1	1 to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 60	60 to 65	65 to 75	75 to 85	85 and over	Ports-mouth	Port-sea	Kingston		Land-port	South-sea
Class VI.	LOCAL DISEASES—Continued.																		
	Epilepsy	...	...	1	2	1	4	3	1	...	...	...	...	1	2	6	3	...	12
	Convulsions	...	15	...	...	...	...	...	1	...	...	...	...	2	8	31	37	3	81
	Laryngismus, Stridulas (Spasm of Glottis)	...	2	1	...	...	...	...	...	1	3	...	...	...	...	6	3	...	9
	Diseases of Spinal Cord	1	...	1	...	...	3	4	2	4	...	...	...	...	2	12	5	...	19
	Other Diseases of Nervous System	...	...	1	...	1	1	...	...	1	...	...	...	...	2	1	1	...	4
	Order 2.—Diseases of Organs of Special Sense (e.g., of Eye, Ear, Nose)																		
	Order 3.—Diseases of the Circulatory System																		
	Acute Endocarditis	...	1	...	...	1	1	...	...	...	...	...	...	...	...	1	1	...	3
	Valvular Disease of Heart	...	...	4	6	4	8	17	6	6	10	3	1	1	4	44	12	4	65
	Other Diseases of Heart	2	1	5	8	5	20	24	11	20	47	16	5	4	10	69	67	14	164
	Aneurism	...	...	...	...	1	3	3	1	2	...	1	...	1	1	9	...	...	11
	Embolism, Thrombosis	...	...	...	...	2	...	...	...	...	1	...	...	...	...	1	2	...	3
	Other Diseases of Blood Vessels	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	3	1	4
	Order 4.—Diseases of Respiratory System																		
	Laryngitis	...	8	...	...	...	...	...	...	...	...	1	...	1	4	1	4	...	10
	Croup	...	4	3	...	...	...	...	...	...	...	...	...	1	2	6	8	1	18
	Emphysema, Asthma	...	2	...	...	2	1	1	...	...	1	...	...	...	...	3	5	...	8
	Bronchitis	...	74	53	2	2	2	9	15	13	55	35	6	11	13	113	127	18	282
	Pneumonia	...	11	17	3	5	10	8	16	7	5	2	...	4	18	31	28	4	85
	Pleurisy	...	...	...	...	1	1	...	...	...	...	1	...	...	1	2	1	...	4
	Other Diseases of Respiratory System	...	13	28	...	4	4	6	4	...	4	3	...	2	7	35	21	...	65
	Order 5.—Diseases of Digestive System																		
Dentition	...	16	4	...	...	...	...	...	...	...	...	...	...	2	11	7	...	20	
Sore Throat, Quinsey	...	...	2	...	...	...	1	...	...	...	...	...	1	...	1	2	...	4	
Diseases of Stomach	...	12	1	...	1	1	2	1	...	1	3	1	3	1	13	6	2	25	
Enteritis	...	15	2	...	...	...	1	...	2	10	2	...	...	1	9	11	2	23	
Obstructive Diseases of Intestines	...	3	...	1	...	2	...	3	...	1	2	...	2	3	10	8	...	23	
Peritonitis	...	...	...	2	3	3	4	1	...	1	...	...	...	1	5	11	...	17	

[illegible]

SUMMARY OF TABLE III.

CLASS	DISEASES.	NUMBER OF DEATHS
I.	ZYMOTIC DISEASES.	
	1. Miasmatic Diseases	324
	2. Diarrhœal Diseases	247
	3. Malarial Diseases	4
	4. Zoogenous Diseases	3
	5. Venereal Diseases	15
	6. Sceptic Diseases	40
II.	PARASITIC DISEASES	—
III.	DIETIC DISEASES	15
IV.	CONSTITUTIONAL DISEASES	508
V.	DEVELOPMENTAL DISEASES	304
VI.	LOCAL DISEASES	
	1. Diseases of the Nervous System	358
	2. „ Organs of Special Sense	3
	3. „ Circulatory System	250
	4. „ Respiratory System	472
	5. „ Digestive System	187
	6. „ Lymphatic System	2
	7. „ Gland-like Organs of Uncertain Use	2
	8. „ Urinary System	79
	9. „ Reproductive System :	
	(a) Organs of Generation	7
	(b) Parturition	19
	10. „ Bones and Joints	5
	11. „ Integumentary System	6
VII.	VIOLENCE.	
	1. Accident or Negligence	64
	2. Homicide	1
	3. Suicide	13
VIII.	ILL-DEFINED AND NOT SPECIFIED CAUSES	130

TABLE IV.

Deaths Registered at several Groups of Ages from different Classes of Diseases during the quarter ending April 1st, 1893.

CAUSE OF DEATH.	AGES.											DISTRICTS.					Total.	
	0 to 1	1 to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 60	60 to 65	65 to 75	75 to 85	85 and over	Ports-mouth	Port-sea.	King-ston	Land-port		South-sea
I.—ZYMOTIC DISEASES																		
Order 1— <i>Miasmatic Diseases.</i>																		
Measles ...	3	47	6	...	...	...	...	...	...	...	...	...	2	7	14	33	...	56
Scarlet Fever ...	1	5	2	1	2	1	...	...	...	...	...	...	...	...	10	2	...	12
Whooping Cough ...	7	9	...	...	...	...	...	...	...	...	...	...	1	...	7	8	...	16
Diphtheria ...	...	5	3	...	...	...	...	...	...	...	...	...	...	1	4	2	1	8
Enteric or Typhoid Fever ...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	1	1	...	2
Other Miasmatic Diseases...	...	2	...	4	2	3	1	1	1	3	1	1	...	4	6	9	...	19
Order 2— <i>Diarrheal Diseases</i>																		
Diarrhoea, Dysentery ...	4	...	...	...	1	...	2	1	...	6	3	...	...	1	9	7	...	17
Order 3— <i>Malarial Diseases</i>																		
Ague ...	...	...	...	...	1	1	...	...	...	...	...	...	...	2	...	...	...	2
Cowpox and Effects of Vaccination ...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	2	...	...	2
Order 4— <i>Veneral Diseases</i>																		
Syphilis ...	2	1	...	1	1	1	...	...	...	...	...	...	1	2	3	...	...	6
Order 5— <i>Septic Diseases</i>																		
Erysipelas ...	2	...	...	...	...	...	2	1	1	3	...	...	...	...	5	3	1	9
Pyæmia, Septicæmia ...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	2	...	...	2
Puerperal Fever ...	...	...	...	2	5	...	...	...	...	...	...	...	...	...	4	2	1	7
II.—PARASITIC DISEASES	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
III.—DIETIC DISEASES ...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	1	1	...	2
IV.—CONSTITUTIONAL DISEASES ...	9	8	11	15	16	27	17	6	7	11	3	1	3	10	58	51	9	131
V.—DEVELOPMENTAL DISEASES ...	33	...	...	...	...	...	...	...	1	14	29	10	4	3	41	35	4	87
VI.—LOCAL DISEASES ...	72	65	18	16	24	39	50	18	25	70	43	5	12	40	183	183	27	445
VII.—DEATHS FROM VIOLENCE ...	8	1	2	2	2	1	4	1	1	...	1	...	2	1	8	9	3	23
VIII.—NOT SPECIFIED OR ILL-DEFINED ...	26	1	...	...	...	1	...	1	...	...	1	...	1	...	14	14	1	30
TOTALS ...	169	145	43	42	55	75	76	30	36	107	81	17	26	71	372	360	47	876

TABLE IV.—(Continued).
Deaths Registered at several Groups of Ages from different Classes of Diseases during the quarter ending July 30th, 1893.

CAUSE OF DEATH.	AGES.										DISTRICTS.								
	0 to 1	1 to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 60	60 to 65	65 to 75	75 to 85	85 and over	Ports-mouth	Port-sea.	King-ston	Land-port	South-sea	Total.	
I.—ZYMOTIC DISEASES																			
Order 1— <i>Miasmatic Diseases</i>																			
Measles ...	6	36	3	...	...	...	...	...	...	...	...	...	3	4	25	13	...	...	45
Scarlet Fever ...	...	3	...	...	...	...	...	...	...	...	...	...	...	1	2	...	...	...	3
Whooping Cough ...	3	6	2	...	...	...	...	...	...	...	...	...	...	...	9	2	...	...	11
Diphtheria ...	...	2	2	...	...	...	...	...	...	...	...	...	...	...	1	3	...	...	4
Enteric or Typhoid Fever	...	1	4	2	1	...	...	...	...	...	...	...	...	...	4	4	...	...	8
Other Miasmatic Diseases	3	...	1	...	1	1	1	2	...	4	2	...	...	2	8	5	...	...	15
Order 2— <i>Diarrhoeal Diseases</i>																			
Diarrhoea, Dysentery ...	14	4	...	1	1	1	1	1	...	1	2	...	1	3	8	12	2	...	26
Order 3— <i>Malarial Diseases</i>																			
Ague ...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	1	...	...	2
Cowpox and Effects of Vaccination ...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	1
Order 4— <i>Venereal Diseases</i>																			
Syphilis ...	1	1	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	2
Order 5— <i>Sceptic Diseases</i>																			
Erysipelas ...	2	...	...	...	...	...	2	...	...	2	...	...	...	1	2	3	...	...	6
Pyæmia, Septicæmia	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	1
Puerperal Fever	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1
II.—PARASITIC DISEASES	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
III.—DIETIC DISEASES ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV.—CONSTITUTIONAL DISEASES	14	12	7	15	15	22	19	6	6	8	1	...	5	10	60	42	8	...	125
V.—DEVELOPMENTAL DISEASES	22	...	1	...	...	...	...	...	...	16	14	9	...	6	24	29	3	...	62
VI.—LOCAL DISEASES ...	54	33	10	8	9	26	37	22	18	49	21	5	11	31	132	103	18	...	295
VII.—DEATHS FROM VIOLENCE	3	3	1	2	3	...	1	1	...	3	...	...	2	2	5	6	2	...	17
VIII.—NOT SPECIFIED OR ILL-DEFINED ...	23	...	1	...	...	...	1	...	...	...	1	...	1	...	5	20	...	...	26
TOTALS ...	145	101	32	29	30	50	63	32	25	85	41	14	24	61	287	244	34	...	650

TABLE IV.—(Continued).

Deaths Registered at several Groups of Ages from different Classes of Diseases during the quarter ending September 30th, 1893.

CAUSE OF DEATH.	AGES.										DISTRICTS.					Total.		
	0 to 1	1 to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 60	60 to 65	65 to 75	75 to 85	85 and over	Portsmouth	Portsea.	Kingston		Land-port	South-sea
I.—ZYMOTIC DISEASES																		
Order 1— <i>Miasmatic Diseases</i>																		
Measles ...	4	9	...	...	...	...	...	...	...	...	...	...	...	...	7	5	1	13
Scarlet Fever ...	...	3	1	...	...	1	...	...	...	...	...	...	...	1	2	1	1	5
Whooping Cough ...	1	3	...	...	...	...	...	...	...	...	...	...	...	...	2	2	...	4
Diphtheria ...	...	3	3	...	...	...	...	...	...	...	...	...	...	...	4	2	...	6
Enteric or Typhoid Fever	2	3	7	3	5	2	2	1	...	...	...	...	...	...	18	4	3	25
Other Miasmatic Diseases	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1
Order 2— <i>Diarrhoeal Diseases</i>																		
Diarrhoea, Dysentery ...	143	22	...	...	3	3	5	5	2	2	5	...	3	17	88	79	3	190
Order 4— <i>Venereal Diseases</i>																		
Syphilis ...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1
Order 5— <i>Septic Diseases</i>																		
Erysipelas ...	2	...	...	...	...	...	1	...	...	3	...	...	...	...	2	4	...	6
Pyæmia, Septicæmia	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	1
Puerperal Fever...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	2	...	...	2
II.—PARASITIC DISEASES																		
III.—DIETIC DISEASES ...	5	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...
IV.—CONSTITUTIONAL DISEASES ...	14	11	5	14	25	14	20	9	6	15	2	...	1	1	6	2	1	11
V.—DEVELOPMENTAL DISEASES ...	24	...	...	...	...	...	...	...	1	10	26	5	7	11	64	48	5	135
VI.—LOCAL DISEASES ...	62	32	8	8	9	23	40	13	19	37	11	5	...	6	37	18	5	66
VII.—DEATHS FROM VIOLENCE ...	3	1	2	3	2	1	1	...	1	...	1	...	3	19	115	110	20	267
VIII.—NOT SPECIFIED OR ILL-DEFINED																		
FINED — ...	40	1	...	...	...	...	...	...	...	3	...	...	2	2	20	18	2	44
TOTALS ...	301	89	26	29	46	49	70	28	29	70	45	10	19	59	376	296	42	792

TABLE IV.—(Continued).
Deaths Registered at several Groups of Ages from different Classes of Diseases during the quarter ending December 30th, 1893.

CAUSE OF DEATH.	AGES.											DISTRICTS.					Total.	
												Portsmouth.	Portsea.	Kingston.	Land-port.	South-sea.		
	0 to 1	1 to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 60	60 to 65	65 to 75	75 to 85	85 and over.	Portsmouth.	Portsea.	Kingston.	Land-port.		South-sea.
I.—ZYMOTIC DISEASES																		
Order 1— <i>Miasmatic Diseases</i>																		
Measles ...	1	3	2	...	...	...	...	...	...	...	...	...	...	...	3	3	...	6
Scarlet Fever ...	...	6	3	1	1	...	...	...	...	...	...	...	...	3	6	3	...	12
Whooping Cough ...	2	3	...	...	...	...	...	...	...	...	...	...	...	...	4	1	...	5
Diphtheria ...	...	6	4	1	...	...	...	...	...	...	...	...	...	...	8	2	1	11
Enteric or Typhoid Fever	...	2	9	3	2	1	2	...	...	...	...	...	1	...	8	10	...	19
Other Miasmatic Diseases...	1	...	...	2	2	1	2	1	1	6	2	...	...	...	9	9	...	18
Order 2— <i>Diarrhoeal Diseases</i>																		
Diarrhoea, Dysentery ...	5	1	...	1	1	1	1	...	1	2	...	1	...	1	7	6	...	14
Order 4— <i>Venereal Diseases</i>																		
Syphilis ...	2	...	...	2	...	...	...	...	...	...	...	...	...	...	3	...	1	4
Gonorrhoea, Stricture of	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	2
Urethra ...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...
Order 5— <i>Septic Diseases</i>																		
Erysipelas ...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	1	1	...	2
Puerperal Fever	...	...	...	...	2	1	...	...	...	...	...	...	...	...	1	1	...	3
II.—PARASITIC DISEASES	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
III.—DIETIC DISEASES ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	2
IV.—CONSTITUTIONAL DISEASES	...	5	10	12	23	19	19	8	2	7	4	...	2	6	56	49	3	116
V.—DEVELOPMENTAL DISEASES	...	...	1	...	...	...	...	...	2	14	29	12	1	3	45	37	3	89
VI.—LOCAL DISEASES ...	...	71	11	14	17	40	38	19	22	64	39	6	17	36	166	142	23	384
VII.—DEATHS FROM VIOLENCE	...	3	3	2	1	2	6	1	1	3	...	...	1	4	5	9	4	23
VIII.—NOT SPECIFIED OR ILL-DEFINED ...	...	...	...	...	...	1	...	...	2	...	...	...	...	5	16	8	1	30
TOTALS ...	148	73	43	38	50	67	70	30	32	96	74	19	22	58	341	282	37	740

TABLE V.

Table showing the number and Death Rates per 1000 of Population from the Seven Principal Zymotic Diseases, from Lung Diseases (excluding Phthisis), from Phthisis, and from all Causes during each quarter of the year 1893, and for the whole year 1893.

	The Seven Principal Zymotic Diseases		Lung Diseases (excluding Phthisis).		Phthisis.		From all Causes	
	Num- ber	Rate per 1000	Num- ber.	Rate per 1000.	Num- ber	Rate per 1000	Num- ber	Rate per 1000
Quarter ending April 1 ...	111	2·65	188	4·49	66	1·58	876	20·05
Quarter ending July 1.....	97	2·32	75	1·79	61	1·46	650	15·54
Quarter ending Sept. 30 ...	243	5·81	38	0·91	58	1·38	792	18·94
Quarter ending Dec. 30 ...	67	1·60	143	3·42	69	1·65	740	17·69
THE WHOLE YEAR...	518	3·10	444	2·65	254	1·52	3058	18·28

TABLE VI.

Showing the number of Deaths from all ages from certain groups of diseases, and proportions of deaths of 1000 of Population and to 1000 deaths from all causes.

Infants under one year of age from other groups of diseases, and proportions to 1000 Births, and to 1000 Deaths from all causes under one year.

DIVISION I.

Diseases.	Total Deaths.	Deaths per 1000 of Population at all ages.	Proportion of Deaths to 1000 Deaths.
1.—Principal Zymotic Diseases ...	518	3·09	169
2.—Pulmonary Diseases (exclud- ing Consumption) ...	372	2·22	121
3.—Principal Tubercular Diseases	315	1·88	103

DIVISION II.

Infants under 1 year.	Total Deaths.	Deaths per 1000 Births.	Deaths per 1000 of Total Deaths under 1 year.
4.—Wasting Diseases ...	224	47·5	293
5.—Convulsive Diseases ...	133	28·2	174

NOTES.

- (1) Includes Small Pox, Measles, Scarlet Fever, Diphtheria, Whooping Cough, Typhoid or Enteric Fever, Continued Fevers, and Diarrhœa.
- (3) Includes Phthisis (or Consumption), Scrofula, Tuberculosis, Rickets, and Tabes Mesenterica.
- (4) Includes Marasmus, Atrophy, Want of Breast Milk, and Premature Birth.
- (5) Includes Hydrocephalus, Infantile Meningitis, Convulsions and Teething.

TABLE VII.

Showing the number of Deaths in the Years 1861 to 1892, from the Seven principal Zymotic Diseases, and the Number in 1893.

DISEASES.	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	Annual Average of 10 years 1883-92.	1893	
Small Pox	...	1	...	12	228	3	1	...	1	1	39	514	45	2	...	1	...	...	...	...	...	...	1	...	...	1	3	...	2	...	...	...	0·7	...	
Measles	...	3	42	80	6	14	16	82	46	57	39	42	52	16	56	54	109	12	36	10	42	7	156	10	164	7	197	8	50	8	4	223	38	70·9	120
Scarlet Fever	...	5	226	134	17	20	34	15	107	295	119	30	5	12	36	47	457	36	16	11	9	25	40	16	9	5	18	26	12	11	19	9	18	14·3	32
Diphtheria	...	9	20	24	17	7	26	4	18	18	13	10	21	15	19	18	11	5	1	4	20	205	106	20	41	42	65	47	17	33	47	23	26	36·1	29
Whooping Cough	11	36	16	48	50	46	46	23	57	26	46	66	17	19	104	8	42	59	92	9	48	66	36	54	9	44	102	41	26	92	39	38	87	53·2	36
Fever...	...	111	128	57	72	74	85	74	119	105	91	72	112	97	101	103	71	87	96	62	70	60	107	93	58	93	124	53	32	50	33	42	60·5	54	
Diarrhoea	...	152	71	68	118	122	119	140	179	100	121	107	113	106	149	141	131	153	170	73	192	73	111	80	116	123	191	151	98	122	105	73	99	115·8	247
Total	...	292	523	391	498	317	330	338	526	602	430	366	834	310	470	371	822	322	411	169	381	436	556	274	397	314	698	329	230	300	265	399	310	351·5	518

TABLE VIII.

Table showing the Death Rates per 1000 Inhabitants from the chief Zymotic Diseases, Consumption, and other Diseases in the Sub-Districts, and in the whole Borough.

DISEASES.	Ports- mouth.	Portsea.	King- ston.	Land- port.	Southsea	Whole Borough.
Small Pox ... ...	...	...	...	...	...	...
Measles 	0·72	0·71	0·80	0·77	0·06	0·72
Scarlet Fever ... ...	...	0·32	0·32	0·08	0·06	0·19
Diphtheria ... ...	...	0·06	0·27	0·13	0·13	0·17
Whooping Cough 	0·14	...	0·36	0·19	...	0·21
Fever 	0·14	...	0·50	0·27	0·18	0·32
Diarrhoea 	0·57	1·42	1·83	1·49	0·33	1·47
Principal Zymotic Diseases ...	1·57	2·51	4·08	2·93	0·76	3·08
Consumption 	1·29	1·17	2·25	1·19	0·40	1·52
Other Tubercular Diseases ...	0·28	0·06	0·52	0·34	0·13	0·36
Lung Diseases 	2·72	2·92	3·12	2·79	1·43	2·82
FROM ALL CAUSES ...	13·03	16·17	21·49	17·01	12·66	18·28

BIRTHS.—The number of births registered numbered 4,708, giving a birth-rate of 28·14 per 1000, which is slightly higher than that of 1892, but much lower than the average for the last 10 years.

The illegitimate births numbered 179, or 3·8 per cent. of the total number registered.

The births were registered in the four quarters as follows :—

			Legitimate.		Illegitimate.
First Quarter ending April 1st	...		1241	...	45
Second „ „ July 1st	...		1076	...	51
Third „ „ September 30th	...		1076	...	51
Fourth „ „ December 30th	...		1136	...	32

And in the various sub-districts thus :—

Portsmouth	...	122	equal to a birth-rate of	17·48	per 1000
Portsea	...	353	„ „	12·92	„
Kingston	...	1952	„ „	31·89	„
Landport	...	2094	„ „	30·14	„
Southsea	...	187	„ „	12·46	„

Portsea Island Union is situated in the Kingston sub-district.

MARRIAGES.—Fourteen hundred and fifty-nine marriages took place in 1893, which thus numbered 5 less than the previous year.

The marriage rate was 17·44.

The marriages were distributed in the four quarters thus :—

First Quarter	...	...	...	298
Second Quarter	...	...	...	382
Third Quarter	...	...	...	367
Fourth Quarter	...	...	...	412

DEATHS.—The deaths registered numbered 3,058, which is equal to a death rate of 18·28 per 1000, which is lower than that of the previous year, and also than the average of the previous ten years.

The rates for the four quarters were as follows :—

First Quarter	...	...	...	20·95 per 1000
Second Quarter	...	...	...	15·54 „
Third Quarter	...	...	...	18·94 „
Fourth Quarter	...	...	...	17·69 „

The rate for the first quarter was raised owing to the number of deaths from diseases of the organs of respiration (188) and from measles (56), whilst in the third quarter 190 deaths were registered to be due to Diarrhœa.

INFANTILE MORTALITY.—There occurred 164 deaths for every 1000 children born. This number, though a large one, is much below the average of the 23 large towns, and is much below that which generally occurs in Portsmouth, the excess this year being due to the heat and dryness of the summer.

ZYMOTIC MORTALITY.—The year 1893 suffered from an epidemic of Measles in the Spring, and from great prevalence of Diarrhœa in the Autumn, whilst there was excess of mild Scarlet Fever for almost the whole year. It is to the Diarrhœa and Measles chiefly that the high zymotic death rate of 3·09 is to be attributed.

SMALL POX was present to a very slight extent. Six cases in all were reported ; none of them originated in the town ; 2 contracted the disease at Southampton, 1 in London, 2 were tramps who had only been in the town a few hours, and the remaining case was that of a visitor who brought the disease with him. They were all isolated at the Milton hospital. The rooms in which they were discovered were disinfected with sulphur, and in no case did the disease spread.

There has not been a death from Small Pox in Portsmouth since 1889. This must be attributed to the satisfactory way that vaccination is, on the whole, carried out in Portsmouth, which is largely due to the energetic action of Mr. Lancaster, the vaccination officer. Table IX, relating to vaccination, was kindly prepared by him, and given to me, for the purpose of this Report.

TABLE IX.

VACCINATION. Return for the Period, January—June, 1893

DISTRICTS.	No. of Births returned in Birth List Sheets so registered from 1st Jan. to 30th June, '93	No. of those Births duly entered by 31st Jan., 1892, in columns 10, 11, and 13 of the Vaccination Register ("Birth List Sheets"), viz.—					No. of these Births which on the 31st Jan., 1893, remained un-entered in the Vaccination Register on account of				No. of these Births remaining.
		10 Successfully Vaccinated.	11		13 Dead un-vaccinated	Postpone-ment by Med. Cert.	Removed to Districts the Vacc. Officer of which has been apprized	Removed to Places unknown, &c.			
			Insusceptible of Vaccination.	Had Small Pox.							
Kingston	1006	856	3	...	107	24	5	11	...		
Portsea	174	146	...	...	19	3	...	5	1
Portsmouth	71	60	...	...	8	2	...	1	...
Landport	1150	966	15	...	104	30	7	27	1		
Totals	2401	2028	18	...	238	59	12	44	2		

VACCINATION OF CHILDREN whose Births were Registered in this District from Jan. 1st to Dec. 31st, 1892, inclusive.

Kingston ...	1923	1675	7	...	184	5	9	42	1
Portsea ...	311	272	...	...	26	2	5	6	...
Portsmouth ...	121	97	...	...	16	1	...	7	...
Landport ...	2245	1943	12	...	209	20	10	44	7
Totals ..	4600	3987	19	...	435	28	24	99	8

SCARLET FEVER.—The mild epidemic of which I spoke in my last Report, as existing in 1892, continued with increased numbers throughout the year 1893. The weekly return, which forms Table XII. of this Report, shows how prevalent throughout the entire year Scarlet Fever has been. The total number of cases notified was 1170, and the number of deaths 32, a mortality of 2·73 per cent. Six hundred, or rather more than half, were admitted to the Milton hospital: of these, 6 died—a mortality of 1 per cent.

Owing to the very mild nature of this epidemic, the nature of the disease in many cases was not recognised until late in the attack, and in many I fear it was never discovered. These mild and unrecognised were not, of course, notified, and no precautions were taken to prevent the spread of infection; they thus very materially aided in keeping up the epidemic.

Writing this Report early in 1894, I am able to state that there is now a very great decrease in the number of cases of Scarlet Fever.

In 333 cases, or 28·4 per cent., some sanitary defect was found to exist on the premises.

DIPHTHERIA.—In this disease there was also a slight increase of cases notified, there being 130 cases in 1893, and 121 in 1892. The 130 cases resulted in 29 deaths, a mortality of 22·30 per cent. Only 12 of these cases were removed to the hospital. This was owing to the fact that for several months the hospital contained so many Scarlet Fever patients that Diphtheria patients were refused admission. Towards the end of the year a few urgent and severe cases were admitted: these had a high mortality—33·3 per cent.

In 56 cases, or 43 per cent., some sanitary defect was found to exist upon the premises.

MEASLES.—Of this disease, 849 cases came to my knowledge, most of them being reported by the school board attendance officers, who unfortunately do not become aware of the existence of the cause of the children's absence from school for the first few days of their illness. It is in these few days that most mischief is done, and the only remedy I can see for the prevention of spreading the disease in this early stage is by educating the parents in the

symptoms of Measles, and the many evils which result from Measles, not only possible a fatal end, but the many sequela which follow recovery. This information, as well as the best methods of preventing the spreading the disease, was given by means of placards and handbills, but, I feel, with little effect, owing to the confirmed and popular idea that an attack of measles is almost harmless. How far wrong this idea is may be gathered from the fact that Measles has caused 819 deaths during the last ten years in Portsmouth, of which 120 occurred in 1893. During the last forty years Measles, as a cause of death has been almost stationary in Portsmouth; there has practically been no improvement: it remains in each decade about 4 per 10,000 per annum.

FEVERS.—Typhus Fever was entirely absent during the year 1893, as it has been indeed for many years; but other forms of continued fever continue to be far too prevalent. In 1893, 361 cases of Typhoid Fever were reported; of these, 54, or 14·95 per cent., proved fatal; 103 were admitted to the Milton Hospital, of which 3 or 2·9 proved fatal. There were 68 cases of continued fever reported, none of which terminated fatally. These cases of fever were reported almost equally throughout the year, with the exception of the last two weeks in July, and throughout August and September, when they were more frequent.

In 160 cases, or 36·7 per cent., sanitary defects were found upon the premises where patients were suffering from fever.

WHOOPING COUGH.—This is another of the so-considered milder forms of infections which we always have with us, more or less. Parents, for the most part, take little trouble to prevent its spreading from one member of a family to another; in consequence, cases grow and multiply. In 1893 there were fewer than the average fatal cases, largely due, no doubt, to the warm and genial weather in the Spring, when it was prevalent.

DIARRHŒA.—There were 247 deaths caused by this disease, which, as usual, was most fatal in infancy and early childhood. The autumnal increase of Diarrhœa did not show itself in the death returns until some weeks after the “critical temperature,” *viz.* 56° registered by the thermometer four feet below the surface of the ground, had been reached for some weeks, and it subsided again some weeks before the four feet earth thermometer fell to 56°

TABLE X.

Week ending			Temperature of Air		Temperature by earth Thermometer. 1 ft.	Temperature by earth Thermometer. 4 ft.	Rainfall in inches.	Deaths from Diarrhœa
			Maximum	Minimum				
May	13	...	67.7	44.7	57.7	52.8	...	...
„	20	...	64.7	51.7	60.5	54.1	0.07	...
„	27	...	65.4	49.4	60.0	55.1	...	...
June	3	...	64.0	46.4	60.5	56.0	0.01	...
„	10	...	66.9	51.2	63.0	56.6	0.28	1
„	17	...	75.8	53.5	63.5	57.6	0.03	3
„	24	...	71.1	53.3	68.4	59.6	0.12	...
July	1	...	68.0	55.4	63.4	59.9	0.89	6
„	8	...	72.3	57.7	68.0	60.4	0.98	6
„	15	...	67.3	57.2	65.5	61.0	1.48	19
„	22	...	67.2	56.7	63.6	61.0	0.44	28
„	29	...	68.8	56.1	65.1	61.0	0.72	29
Aug.	5	...	68.6	57.1	64.4	61.0	0.11	26
„	12	...	74.1	59.3	67.0	61.2	0.02	21
„	19	...	77.3	61.8	61.3	62.5	...	22
„	26	...	69.8	58.3	66.6	63.5	0.43	14
Sept.	2	...	69.0	52.3	62.7	62.6	0.02	6
„	9	...	69.9	54.1	63.5	62.0	0.32	7
„	16	...	68.3	49.7	59.7	61.5	0.14	10
„	22	...	61.4	49.8	58.0	60.9	0.31	5
„	30	...	63.1	50.3	55.6	59.4	1.11	2
Oct.	7	...	57.7	47.8	54.0	59.0	1.78	1
„	14	...	60.5	46.7	54.4	57.6	1.94	1
„	21	..	61.1	51.6	55.8	57.0	0.86	1

INFLUENZA.—This disease, though not so prevalent as in previous years, still lingered in the town in 1893, resulting directly or indirectly in 53 deaths. This is the number in which “Influenza” appears upon the certificate of cause of death. No doubt it indirectly caused more deaths, especially some of those attributed to diseases of the respiratory organs.

PUERPERAL FEVER.—Twenty-five cases of this disease were reported, of which thirteen proved fatal. In all cases, besides the usual enquiries and examinations as to the sanitary condition of the premises, care was taken that the nurse or midwife, and her clothes, were properly disinfected before attending other confinements.

In twelve cases, or 42·8 per cent., sanitary defects were found upon the premises.

NOTIFICATION.—In the year 1893, no less than 1,754 notifications of infectious disease were received by me. This large number was due to the mild epidemic of scarlet fever already referred to. The accompanying tables show the number of cases of each disease notified, the districts in which they occurred, and the weeks in which they were notified. It will be noticed that the excess of scarlet fever and typhoid fever cases were reported to exist at Landport and Kingston.

Some opponents of compulsory notification of infectious disease affirm that such notification leads to an increase of infectious disease. It is difficult to have this effect at Portsmouth, for Table XIV. shows that, comparing the ten years notification has been in force here, with the previous ten years, the mortality from those diseases which are notifiable under the Portsmouth Corporation Act, 1893, has decreased by more than one half, whilst the mortality from those infectious diseases which are not notified has only been reduced from 1·78 to 1·74 per 1,000, a most regrettably small reduction.

TABLE XI.

Cases of Infectious Diseases coming to the knowledge of the Portsmouth Urban Sanitary Authority during the year 1893.

	0-1	0-5	5-15	15-25	25-35	35-45	45-55	55-65	65-75	75-85	85 and over	Total
SMALL POX												
Portsmouth .....	...	...	...	...	...	1	...	...	...	...	...	1
Portsea .....	...	...	...	...	...	...	...	...	...	...	...	2
Kingston .....	...	...	...	1	...	...	1	...	...	...	...	3
Landport .....	...	...	...	2	1	...	...	...	...	...	...	3
Southsea .....	...	...	...	...	...	...	...	...	...	...	...	...
Total.....	...	...	...	3	1	1	1	...	...	...	...	6
SCARLET FEVER												
Portsmouth .....	...	3	10	4	...	...	...	...	...	...	...	17
Portsea	1	15	45	5	3	...	...	...	...	...	...	69
Kingston	26	184	234	32	12	3	2	...	...	...	...	493
Landport	12	202	264	25	6	4	2	1	...	...	...	516
Southsea .....	...	7	49	14	4	...	1	...	...	...	...	75
Total.....	39	411	602	80	25	7	5	1	...	...	...	1170
DIPHTHERIA												
Portsmouth .....	...	1	1	...	...	1	...	...	...	...	...	3
Portsea .....	...	3	2	...	4	3	...	1	...	...	...	13
Kingston	3	8	21	10	6	8	1	...	...	...	...	57
Landport	1	6	19	15	12	2	1	1	...	...	...	57
Southsea .....	...	1	1	2	...	5	1	...	...	...	...	10
Total.....	4	19	44	27	22	19	3	2	...	...	...	140
ENTERIC FEVER												
Portsmouth .....	...	...	1	1	...	...	1	...	...	...	...	3
Portsea .....	...	1	11	1	2	3	...	...	...	...	...	18
Kingston	1	23	96	14	20	14	3	2	2	...	...	175
Landport .....	...	15	72	13	25	9	8	4	2	1	...	149
Southsea .....	...	...	4	6	3	2	...	1	...	...	...	16
Total.....	1	39	184	35	50	28	12	7	4	1	...	361
CONTINUED FEVER												
Portsmouth .....	...	...	...	1	...	...	...	...	...	...	...	1
Portsea .....	...	...	1	...	...	1	...	...	...	...	...	2
Kingston .....	...	17	14	4	8	2	1	...	...	...	...	46
Landport .....	...	5	5	3	1	2	...	...	...	...	...	16
Southsea .....	...	1	1	...	...	1	...	...	...	...	...	3
Total.....	...	23	21	8	9	6	1	...	...	...	...	68
PUERPERAL FEVER												
Portsmouth .....	...	...	...	1	...	...	...	...	...	...	...	1
Portsea .....	...	...	...	...	...	1	...	...	...	...	...	1
Kingston .....	...	...	...	5	4	1	...	...	...	...	...	10
Landport .....	...	...	...	2	8	4	...	...	...	...	...	14
Southsea .....	...	...	...	...	2	...	...	...	...	...	...	2
Total.....	...	...	...	8	14	6	...	...	...	...	...	28

TABLE XII.

WEEKLY RETURN of Cases of Infectious Diseases reported in accordance with the
Portsmouth Corporation Act, 1883, during the year 1893.

Week ending			Small Pox	Scarlet Fever	Diph- theria	Fevers.		Puer- peral Fever	Total
						Enteric.	Con- tinued.		
1893									
January	7th	...	...	35	2	3	...	...	40
"	14th	...	...	21	...	1	1	...	23
"	21st	...	...	26	2	4	...	1	33
"	28th	...	1	32	2	4	...	...	40
February	4th	...	2	28	...	5	1	1	36
"	11th	...	...	25	4	7	1	...	37
"	18th	...	...	31	2	3	1	2	39
"	25th	...	...	21	1	4	3	2	31
March	4th	...	...	21	2	4	1	...	28
"	11th	...	...	18	1	1	2	...	22
"	18th	...	...	25	2	2	2	...	31
"	25th	...	...	23	1	3	2	...	29
April	1st	...	...	20	2	7	1	2	32
"	8th	...	...	14	3	6	2	...	25
"	15th	...	...	17	5	6	3	...	31
"	22nd	...	1	25	3	6	2	...	37
"	29th	...	...	8	1	3	...	2	14
May	6th	...	1	13	4	6	1	...	25
"	13th	...	...	17	...	7	2	...	26
"	20th	...	...	17	6	6	2	...	31
"	27th	...	...	14	1	8	2	...	25
June	3rd	...	...	14	2	8	3	...	27
"	10th	...	...	27	6	9	2	...	44
"	17th	...	...	31	3	4	1	...	39
"	24th	...	...	25	4	7	1	...	37
July	1st	...	...	17	...	7	2	...	26
"	8th	...	...	29	3	4	3	...	39
"	15th	...	...	18	3	6	2	2	31
"	22nd	...	...	22	2	13	1	...	38
"	29th	...	...	18	...	7	1	...	26
August	5th	...	...	15	3	14	...	1	33
"	12th	...	...	22	2	15	2	...	41
"	19th	...	...	9	3	10	1	1	24
"	26th	...	...	11	1	9	1	...	22
September	2nd	...	...	15	...	12	1	...	28
"	9th	...	...	31	2	17	3	...	53
"	16th	...	...	31	3	24	2	...	60
"	23rd	...	1	31	5	19	1	...	57
"	30th	...	...	27	5	11	1	...	44
October	7th	...	...	27	6	11	3	3	50
"	14th	...	...	32	4	4	1	...	41
"	21st	...	...	25	4	11	1	2	43
"	28th	...	...	35	8	6	...	...	49
November	4th	...	...	27	1	5	...	...	33
"	11th	...	...	33	2	6	...	...	41
"	18th	...	...	24	5	7	1	1	38
"	25th	...	...	17	2	6	4	...	29
December	2nd	...	...	29	4	6	2	4	45
"	9th	...	...	21	3	3	...	...	27
"	16th	...	...	15	2	2	...	...	19
"	23rd	...	...	6	2	4	...	...	12
"	30th	...	...	18	1	3	...	1	23
TOTALS			6	1153	135	366	69	25	1754

TABLE XIII.

Showing the number of Cases of **Infectious Diseases** reported to the Medical Officer of Health under the Portsmouth Corporation Act.

Year.	Small Pox.	Scarlet Fever.	Diphtheria.	Fevers.		Puerperal Fever.	TOTALS.
				Enteric.	Continued.		
1885 ...	8	314	173	762	...	2	1259
1886 ...	7	343	232	1249	...	14	1845
1887 ...	23	647	260	554	...	11	1495
1888 ...	3	465	128	313	...	11	920
1889 ...	6	728	126	317	...	6	1183
1890 ...	...	573	212	457	125	4	1371
1891 ...	...	350	138	265	52	15	820
1892 ...	...	1023	121	330	76	2	1552
TOTALS	47	4443	1390	4247	253	65	10445
AVERAGE	6.7	555.4	173.7	530.9	84.3	8.1	1345.6
1893 ...	1	1153	135	366	69	25	1754

TABLE XV.

Table showing the number of cases of **Scarlet Fever** notified, the number of deaths, and the percentage of deaths to cases notified for the years 1884-1893.

Year.	Cases Notified.	No. of Deaths.	Percentage of deaths to notified cases.
1884	266	9	3.37
1885	314	5	1.59
1886	343	18	5.24
1887	647	26	4.01
1888	465	12	2.58
1889	728	11	1.51
1890	573	19	3.31
1891	326	9	2.76
1892	1023	18	1.75
1893	1170	32	2.68
	5855	158	2.70

Table showing the number of cases of **Scarlet Fever** admitted to the Milton Hospital, the number of deaths, and the percentage of deaths to number of cases of Scarlet Fever admitted for the years 1884-93.

Year.	No. of Cases admitted.	No. of Deaths.	Percentage of deaths to cases admitted.
1884	13	...	...
1885	16	...	...
1886	29	...	...
1887	56	1	1.78
1888	120	1	0.88
1889	278	1	0.36
1890	384	11	2.60
1891	180	3	1.66
1892	532	6	1.10
1893	600	6	1.00
	2208	29	1.31

TABLE XVI.

Table showing the number of cases of **Diphtheria** notified, the number of Deaths and the percentage of Deaths to cases notified for the years 1884 to 1893.

Year.	Cases Notified.	No. of Deaths.	Percentage of deaths to cases notified.
1884	174	41	23.44
1885	173	42	24.35
1886	232	65	26.72
1887	260	47	19.08
1888	128	17	13.28
1889	126	33	26.19
1890	212	47	22.69
1891	140	23	16.42
1892	121	26	21.48
1893	140	29	21.48
	1706	370	21.74

Table showing the number of cases of **Diphtheria** admitted to the Milton Hospital, the number of Deaths, and the percentage of Deaths to cases of Diphtheria admitted for the years 1884 to 1893.

Year.	Cases admitted.	No. of Deaths.	Percentage of deaths to cases notified.
1884	4	1	25.00
1885	6	...	...
1886	11	1	9.09
1887	27	8	23.70
1888	23	...	...
1889	18	...	...
1890	64	18	28.12
1891	51	4	7.84
1892	27	6	22.22
1893	12	4	33.33
	243	42	17.28

TABLE XVII.

Table showing the number of cases of **Typhoid Fever** notified, the number of Deaths, and the percentage of Deaths to cases notified for the years 1884 to 1893.

Year.	Cases Notified.	No. of Deaths.	Percentage of Deaths to cases notified.
1884	539	58	10.76
1885	762	93	11.48
1886	1249	124	9.90
1887	554	53	9.52
1888	313	27	8.60
1889	317	32	10.01
1890	457	50	10.94
1891	265	33	12.40
1892	330	38	11.51
1893	361	54	13.85
	5147	562	10.91

Table showing the number of cases of **Typhoid Fever** admitted to the Milton Hospital, the number of Deaths, and the percentage of Deaths to cases of Typhoid Fever admitted for the years 1884 to 1893.

Year.	Cases admitted.	No. of Deaths.	Percentage of Deaths to cases admitted.
1884	2	...	...
1885	6	...	...
1886	66	4	6.06
1887	37	1	2.70
1888	35	...	...
1889	48	6	12.50
1890	108	5	4.63
1891	51	4	7.84
1892	81	6	7.41
1893	103	3	2.91
	557	29	5.40

INFECTIOUS DISEASES HOSPITAL, MILTON.—During the year, 732 were under treatment in the Hospital; it was at times overcrowded, the Committee therefore recommended the Sanitary Authority that increased accommodation should be provided, which recommendation was adopted, and it has been decided to build a two-storey block, giving accommodation for 26 beds, and to enlarge the present administrative block by adding 10 cubicles for nurses, a large kitchen, a nurses' dining room, and other offices. This will be a great improvement to the Hospital, which has been urgently needed.

From many churches and chapels flowers have been sent to cheer the sick children and enliven the wards for the convalescent; they have given great pleasure to the patients. The Penhale Road Flower Mission sent baskets of flowers almost every Sunday during the spring, summer, and autumn, and I should like the children comprising the Mission to know that their kindness was very much appreciated by the little children suffering in the Hospital.

I take this opportunity to express my appreciation of, and my gratitude for, the services rendered by the matron and nurses to the patients under their control.

The average daily number of patients was 95·8.

Cases under Treatment at the Hospital.

DISEASES.	AGES.									Total.
	0 to 1	1 to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 and over	
Scarlet Fever ...	3	120	395	65	11	4	2	...	...	600
Enteric or Typhoid	...	5	58	28	7	3	1	...	1	103
Diphtheria	2	5	3	1	1	...	...	...	12
Measles	2	1	2	1	...	...	...	...	6
Small Pox	3	2	...	1	...	...	6
Continued Fever...	1	...	...	...	...	...	1
Tonsillitis	1	...	...	...	...	...	1
Laryngitis	1	...	...	...	...	...	1
Pneumonia	1	...	...	...	...	1
Adenites	1	...	...	...	...	...	1
Totals.....	3	129	459	105	23	8	4	...	1	732

Number of Patients admitted to the Hospital
for the Years 1883 to 1893.

DISEASES.	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893
Scarlet Fever ...	1	13	16	29	56	120	278	384	180	532	503
Enteric or Typhoid ...		2	6	66	37	35	48	114	51	81	94
Diphtheria ...	...	4	6	11	27	23	18	69	51	27	12
Measles ...	1	2	1	11	4	8	5	1	22	...	6
Small Pox ...	5	1	8	7	20	4	6	1	...	...	6
Other Diseases ...	...	...	...	1	3	8	8	7	18	5	5
Totals ...	7	22	37	125	147	194	363	576	322	645	626

WATER SUPPLY—The water supplied by the Water Company still maintains it high state of purity from organic matter. Appended are the results of the monthly analysis of that water made by me, and also the results of other analysis of some waters obtained from private wells, which were quite unfit for drinking purposes. Owing to the action taken, all the private wells which had been used for drawing drinking water were closed.

WATER ANALYSIS.

Date when taken.	Where taken from.	Grains per gallon		Grains per gal.	Total Hard- ness.	Parts per Million		Poisonous Metals.
		Total Solid Residue.	Chlorine	Nitrogen as Nitrates		Free Am- monia.	Al- bum'oid Am- monia.	
1893								
Jan 11	Corporation } Laboratory }	22.3	1.5	0.170	16.8	0.02	0.04	Slight deposit of sand.
Feb 20	„	21.8	1.3	0.182	15.6	0.03	0.04	Clear.
Mar 20	„	21.0	1.1	0.140	17.9	0.06	0.08	Slightly turbid of a greenish brown color.
Apl 17	„	22.1	1.5	0.127	18.1	0.04	0.06	—
M'y 15	„	22.6	1.6	0.143	18.7	0.04	0.03	Clear.
Jun 19	„	22.4	1.4	0.101	16.2	0.00	0.08	do.
Jly 17	„	21.6	1.1	0.097	16.1	0.00	0.06	do.
Aug 11	„	21.8	1.4	0.099	15.8	0.06	0.04	Color, greenish grey.
Sep 18	„	23.9	1.7	0.103	16.7	0.06	0.04	—
Oct 13	„	23.8	1.6	0.215	17.8	0.08	0.06	—
Nov 8	Well, Penny st.	42.7	16.1	...	18.7	0.16	0.18	Not used for drinking
Nov 20	Corporation } Laboratory }	21.7	1.1	0.199	17.1	0.00	0.02	Pure.
	WELLS.							
Nov 24	St. James' rd.	58.8	12.7	...	23.8	0.28	0.63	Unfit for drink- ing purposes.
„	St. Vincent st	84.7	10.6	...	31.8	1.14	0.86	do.
„	Catherine row	182.7	36.9	...	38.9	0.37	0.58	do.
Nov 30	Fyning st.	53.9	5.3	...	23.4	0.89	0.67	do.
„	Lake rd.	51.1	5.7	...	25.9	0.68	0.76	do.
„	Hyde Pk. cor.	135.8	8.9	...	28.3	0.48	0.79	do.
Dec 18	Corporation } Laboratory }	23.8	1.4	0.040	17.3	0.00	0.01	Pure.

HOUSES UNFIT FOR HABITATION.—Under the Bye-laws in force, 15 houses have been certified by me as unfit for human habitation, they have been so declared by the Sanitary Authority, and have been closed.

Premises Condemned in 1893.

Situation of Premises.	Date.
No. 2, Nelson Cottage, Trafalgar Place ..	January 17th
„ 3, do. do. ..	„
„ 18, Hereford Street, Landport ...	February 21st
„ 5, Alfred Buildings, Marylebone Street ...	March 21st
„ 14, Smith's Lane, Portsea ...	„
„ 15, do. do. ...	„
„ 10, Buckland Street, Landport ...	July 15th
„ 12, do. do. ...	„
„ 1, Fratton Court, Fratton ...	„
„ 2, do. do. ...	„
„ 3, do. do. ...	„
„ 4, do. do. ...	„
„ 5, do. do. ...	„
„ 6, do. do. ...	„
„ 2, Somers Road, North, Fratton ...	„

PROSECUTIONS.—In all the prosecutions of the Authority, in which my evidence was wanted, I have been a witness ; they are as follows :—

Initials	Charge.	Result.
E. G.	For having deposited in slaughter-house two sides of beef unfit for the food of man.	} Case dismissed.
W. A.	Having deposited 50 pieces of beef unfit for food.	
E. P.	For exposing for sale at the Fish Market, Point, bloaters unfit for the food of man.	} Fined 8/- each piece, and 13/- costs. Total £20 13s.
G. A.	For having decomposed meat deposited and exposed for sale.	
J. H. T.	For exposing patient in street whilst suffering from a dangerous infectious disorder, viz.:—Scarlet Fever.	} Fined £5, and costs £1. Total £6.
J. G. S.	Non-compliance with the Slaughter-house bye-laws Nos. 11 and 15.	
R. J.	Do.	} Fined 12/- and 10/- costs.
A. M.	Do. (No. 15)	
C. C.	Do. „	} Fined £1.
H. M.	Do. „	
E. G.	Non compliance with Nuisance bye-law No. 11	} Fined £1 and 10/- costs.
W. B.	Non-compliance with Slaughter-house bye-law No. 15	
P. A.	Slaughtering on unlicensed premises	} Case dismissed.
W. A. E.	For letting premises which had been declared unfit for habitation.	
Do.	Do. 5 other cases.	} Fined 10/- including costs.
F. S.	Non-compliance of Nuisance notice	
M. W.	Do.	} Fined, costs amounting to £1 15s.
C. H.	Do.	
R. H.	Do.	} Fined 10/- including costs, and ordered to abate nuisance in 14 days.
T. W.	Do.	
Do.	Do. 3 other cases.	} Case dismissed.
J. S. C.	Do. 3 cases.	
H. L.	Do.	} Fined £1, and ordered to abate nuisance in 14 days.
J. H. C.	Do.	
C. H.	Do.	} Ordered to abate nuisance in 14 days.
J. W. T.	Do.	
G. H.	Do.	} Do. and costs 14/6
H. L.	Do.	
H. C. H.	Do.	} Do. and costs amounting to £1 3s. 6d.
C. D.	Do.	
C. B.	Do.	} Withdrawn. Work being done.
E. L.	Do. 2 cases	
G. G.	Do. 5 cases	} Ordered to abate nuisance in 14 days, and costs 10/6.
G. H.	Do.	
F. H.	Do.	} Withdrawn. Work being done.
		} Ordered 14 days, and costs 9/6.
		} Case dismissed.
		} Case withdrawn. Work being done.
		} Ordered to abate nuisance in 14 days, and costs 16/-
		} Withdrawn. Work being done.
		} Ordered to abate nuisance in 21 days, and costs 9/6.
		} Ordered to abate nuisance in 14 days, and costs 13/-
		} Withdrawn. Work being done.
		} Do.
		} Fined 10/- including costs, and ordered to abate nuisance in 14 days.
		} Withdrawn, and costs 3/6.

THE DISINFECTING APPARATUS was in constant use at the Hospital. It has been decided by the authority to erect a disinfector of a more modern type, viz. one which will disinfect by means of super-heated steam under pressure, instead of the one in use, which does its work by hot air alone.

SLAUGHTER HOUSES.—In 1893 there were 125 licensed and registered slaughter houses to be inspected, to these 6821 visits were paid, but owing to the large number of slaughter houses it is quite impossible, with any reasonable staff of sanitary inspectors, to see all the carcasses of animals slaughtered, yet it cannot be denied that it is advisable to have every carcass carefully examined; such inspection will not be possible in Portsmouth until a public abattoir is in use, to the exclusion of private slaughter-houses.

One license has been transferred to new premises, in this case an annual license has been granted, and the permanent license given up.

COWSHEDS, DAIRIES, AND MILKSHOPS.—The number of these registered are as follows :—52 cowsheds, 213 dairies and milkshops. There were 2613 visits paid to these places by the sanitary inspectors during the year. They are kept in a much more satisfactory state than formerly, yet there are some dairymen who will never see the advisability of keeping their cowsheds and dairies clean, unless by order of the Sanitary Authority.

INSPECTION OF WORKSHOPS.—This work, which was commenced last year, has been continued with good results, 2071 visits of inspection have been paid, which have resulted in 199 notices being served to remedy conditions injurious to health, such as overcrowding, (57 cases) repair sanitary defects, (30 cases) to cleanse and limewash, (61 cases) to cleanse water closets and drains, (25 cases). Of these, 176 have been complied with, and the remaining work will probably soon be accomplished.

The same inspector who looks after workshops is appointed inspector under the Shop Hours Act; he reported 14 instances of infraction of that Act, in some of which proceedings have been ordered.

SYSTEMATIC INSPECTION OF THE DISTRICT has been carried out more efficiently than at any previous time during my tenure of office. The courts and alleys have received particular attention, especial care being taken to remove all accumulation of filth, to repair sanitary defects, and to insist upon the paving being properly kept.

Cases of Measles coming to the knowledge of the Medical Officer of Health.

Week ending.		SUB-DISTRICTS.					AGES.					TOTAL.
		Portsmouth.	Portsea.	Kingston.	Landport.	Southsea.						
							0-1.	1-5.	5-15.	15-25.	25-60.	
1893												
Jan.	6	...	...	6	31	...	1	21	15	...	...	37
"	13	...	...	...	22	...	1	11	10	...	...	22
"	20	1	1	...	7	...	...	4	3	1	1	9
"	27	4	...	7	34	...	4	18	23	...	...	45
Feb.	3	...	...	...	...	...	...	...	...	...	...	...
"	10	...	...	2	12	1	2	7	6	...	...	15
"	17	...	...	22	36	...	...	33	25	...	...	58
"	24	...	7	27	40	...	4	28	42	...	...	74
Mar.	3	1	3	45	8	...	...	24	33	...	...	57
"	10	...	...	9	33	...	...	26	16	...	...	42
"	17	6	9	11	30	...	4	32	20	...	...	56
"	24	14	9	4	8	...	...	20	15	...	...	35
"	31	...	7	...	12	1	1	8	11	...	...	20
April	7	...	...	3	...	1	...	3	1	...	...	4
"	14	...	7	39	8	2	2	32	21	1	...	56
"	21	7	...	16	18	...	1	23	17	...	...	41
"	28	6	9	11	12	4	1	21	18	...	2	42
May	5	...	...	13	14	...	3	17	7	...	...	27
"	12	...	...	11	4	...	1	8	6	...	...	15
"	19	...	...	28	13	4	1	24	20	...	...	45
"	26	...	...	8	...	...	...	2	6	...	...	8
June	2	...	...	26	12	...	1	23	14	...	...	38
"	9	...	...	16	19	...	1	17	17	...	...	35
"	16	...	...	10	18	...	1	17	10	...	...	28
"	23	...	...	...	2	...	...	2	...	...	...	2
"	30	...	...	...	8	...	...	5	3	...	...	8
July	7	...	...	...	6	...	1	3	2	...	...	6
"	14	...	...	...	3	...	...	1	2	...	...	3
"	21	...	...	2	3	...	2	3	...	...	...	5
"	28	}	...	...	...	...	...	...	...	...	...	...
"	to											
Aug.	11											
"	18	...	...	1	3	...	1	3	...	...	...	4
"	25	...	...	...	1	...	...	1	...	...	...	1
Sept.	1	...	...	...	...	1	1	...	...	...	...	1
"	8	}	...	...	...	...	...	...	...	...	...	...
"	to											
"	15											
"	22	...	...	...	1	...	1	...	...	...	...	1
"	29	}	...	...	...	...	...	...	...	...	...	...
"	to											
Oct.	20											
"	27	...	...	1	...	...	1	...	...	...	...	1
Nov.	10	...	...	...	...	...	...	...	...	...	...	...
"	17	...	...	4	...	...	...	1	3	...	...	4
"	24	...	...	1	1	...	...	2	...	...	...	2
"	31	...	...	...	...	...	...	...	...	...	...	...
Dec.	7	...	...	...	...	...	...	...	...	...	...	...
"	14	...	...	1	...	...	...	1	...	...	...	1

TABLE

Showing the Population, Birth Rates, Death Rates, Zymotic Rates, and Deaths under 1 Year to 1000 Births in the 33 large towns.

NAME OF TOWN.	Popula- tion.	Birth Rate	Death Rate	ZYMOTIC DEATH RATE.								Deaths under 1 year to 1000 Births.
				Small Pox	Measles	Scarlet Fever	Diphtheria	Whooping Cough	Fever	Diarrhoea	Total	
LONDON	4,306,411	31.00	21.3	0.05	0.39	0.37	0.76	0.54	0.16	0.80	3.1	164
BRIGHTON	117,833	25.4	18.4	...	0.11	0.10	0.28	0.47	0.13	0.77	1.8	169
PORTSMOUTH	167,277	28.2	18.2	..	0.67	0.19	0.17	0.22	0.31	1.23	2.8	164
NORWICH	104,184	30.9	19.2	...	0.58	0.19	0.22	0.63	0.35	1.06	3.1	195
PLYMOUTH	86,781	29.9	21.2	...	0.48	0.25	0.16	0.53	0.11	0.73	2.8	169
BRISTOL	225,028	30.4	18.9	0.08	0.11	0.15	0.22	0.34	0.11	0.63	1.7	142
WOLVERHAMPTON	84,298	34.6	23.3	0.01	0.25	0.31	0.06	0.05	0.33	1.82	2.8	209
BIRMINGHAM	487,891	32.7	21.9	0.14	0.10	0.13	0.13	0.65	0.20	1.67	3.02	199
LEICESTER	184,547	32.6	20.0	0.08	0.28	0.44	0.11	0.62	0.25	2.19	4.0	219
NOTTINGHAM ...	220,551	30.2	18.4	0.02	0.11	0.37	0.07	0.26	0.31	1.47	2.6	169
DERBY	97,341	32.2	18.2	0.07	0.17	0.14	0.07	0.45	0.22	0.93	2.1	156
BIRKENHEAD ...	103,817	33.1	20.5	0.01	0.14	0.12	0.15	0.67	0.26	1.46	2.81	197
LIVERPOOL.....	510,514	36.0	27.3	0.02	0.53	0.45	0.12	0.54	0.53	1.69	3.9	211
BOLTON	117,278	33.1	24.1	0.06	1.41	0.29	0.10	0.41	0.31	1.81	4.7	200
MANCHESTER.....	515,598	33.5	24.9	0.09	0.57	0.27	0.32	0.47	0.25	0.73	3.70	203
SALFORD	203,431	34.7	24.1	0.11	0.45	0.20	0.29	0.49	0.49	2.09	4.12	211
OLDHAM	136,469	28.6	21.0	0.48	0.21	0.12	0.13	0.40	0.19	0.94	2.5	186
BLACKBURN	124,005	30.9	23.3	0.03	0.41	0.04	0.01	0.27	0.24	2.29	4.1	243
PRESTON	110,225	35.1	26.4	...	1.63	0.24	0.12	0.42	0.46	3.12	6.0	268
HUDDERSFIELD...	97,549	23.7	17.2	...	0.23	0.26	0.03	0.13	0.12	0.46	1.23	141
HALIFAX	91,918	24.6	17.3	0.38	0.05	0.03	0.25	0.35	0.14	0.50	1.70	173
BRADFORD	221,611	27.7	21.0	0.52	0.31	0.31	0.10	0.50	0.22	1.46	3.42	196
LEEDS	382,093	32.4	22.3	0.05	0.89	0.08	0.16	0.44	0.28	1.56	3.5	206
SHEFFIELD	333,922	34.8	22.3	0.01	0.52	0.27	0.17	0.38	0.27	1.87	3.5	192
HULL	208,709	34.2	21.8	0.04	0.61	0.16	0.11	0.38	0.48	2.35	4.13	207
SUNDERLAND.....	134,515	35.6	22.5	0.04	0.12	0.19	0.08	0.18	0.98	1.76	3.4	188
NEWCASTLE	196,997	33.7	21.0	...	1.08	0.11	0.15	0.17	0.12	0.90	2.53	174
CARDIFF.....	142,435	36.1	19.7	...	0.71	0.27	0.69	0.28	0.19	1.16	3.30	179
WEST HAM	227,405	35.6	18.9	0.24	0.16	0.35	0.42	0.68	0.30	1.24	3.4	172
SWANSEA	93,816	35.1	19.6	...	0.18	0.35	0.05	0.32	0.20	0.72	1.82	170
BURNLEY	93,462	33.9	21.8	0.06	0.29	0.55	0.15	0.36	0.30	2.08	3.8	223
GATESHEAD	90,938	36.4	19.3	0.02	0.78	0.09	0.21	0.58	0.23	1.53	3.5	172
CROYDON	108,997	26.2	16.3	0.01	0.18	0.10	0.78	0.24	0.11	0.77	2.2	154

Table of New Cases of Infectious Sickness

Coming to the knowledge of the Medical Officer of Health, during the year 1893, in the Urban Sanitary District of Portsmouth, classified according to Diseases, Ages, and Localities.

Names of Localities adopted for the purposes of these statistics ; Public Institutions being shown as separate localities.	Aged under 5 or over 5.	New cases of Sickness in each Locality, coming to the knowledge of the Medical Officer of Health.											Number of such Cases removed from their homes in the several Localities for Treatment in Isolation Hospital.												
		1	2	3	4	5	6	7	8	9	FEVERS.				10	11	12	Other Diseases							
		Smallpox.	Scarlatina.	Diphtheria.	Membranous Group	Typhus.	Enteric or Typhoid	Continued.	Relapsing.	Puerperal.	Cholera.	Erysipelas.	Smallpox.	Scarlatina.	Diphtheria	Membranous Group.	Typhus.		Enteric or Typhoid	Continued	Relapsing.	Puerperal	Cholera.	Erysipelas.	
Portsmouth sub-district	Under 5 upwards	...	3	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Portsea	Under 5	1	14	2	...	3	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
"	5 upwards	...	3	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kingston	Under 5	...	47	7	...	16	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
"	5 upwards	...	191	14	...	18	17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Landport	Under 5	1	296	42	...	154	29	...	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
"	5 upwards	...	150	13	...	17	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Southsea	Under 5	3	344	44	...	132	11	...	14	...	8	3	...	...	...	...	...	...	...	...	...	...	...	...	...
"	5 upwards	...	25	2	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
"	5 upwards	...	57	9	...	16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Royal Portsmouth Hospl.	Under 5	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Seamen & Marines Orphan Home	5 upwards	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Portsea Island Union	Under 5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Workhouse...	5 upwards	...	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Naval & Military Barra'ks	Under 5	1	9	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ships in Harbour, &c.	5 upwards	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
St. Agatha's Home	Under 5	...	8	3	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	5 upwards	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTALS	Under 5	...	374	32	...	36	22	...	...	...	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	5 upwards	6	790	108	...	322	43	...	28	...	16	...	...	...	...	...	...	...	...	...	...	...	...	...	...

Report of the Public Analyst.

GENTLEMEN,

During the year 1893 I analysed 218 samples of food and drugs, of which 211 were taken by your Inspectors under my direction, and seven samples submitted by private individuals.

Of the total number of samples 31, or 14·22 per cent. were found adulterated. The percentage of adulterated articles taken by the Inspectors was 12·32, and the percentage of adulterated articles submitted by private individuals was 71·43.

The following is a list of the samples analysed:—

Milk ...	...	...	...	141
Butter ...	...	...	...	8
Margarine ...	...	...	...	1
Coffee ...	...	...	...	6
Bread ...	...	...	...	9
Flour ...	...	...	...	1
Pepper ...	...	...	...	6
Whiskey ...	...	...	...	7
Rum ...	...	...	...	5
Gin ...	...	...	...	2
Lemonade ...	...	...	...	6
Soda Water ...	...	...	...	6
Vinegar ...	...	...	...	6
Spirits of Ammonia ...	...	...	...	4
Cream of Tartar ...	...	...	...	2
Citric Acid ...	...	...	...	2
Sweet Spirits of Nitre ...	...	...	...	2
Tincture of Quinine ...	...	...	...	2
Compound Tincture of Camphor ...	...	...	...	2

The following table shows the articles which were adulterated, by whom they were obtained, the amount of adulteration, and the amount of fines which were imposed by the magistrates, viz. :—

Nature of Sample.	By whom obtained.	Amount of Adulteration.	Remarks.
Milk	Inspector	22 per cent. cream abstracted	No prosecution
"	"	40 " "	Fined £2, including costs
"	"	29 " added water	Prosecuted. Case dismissed
"	"	56 " cream abstracted	Fined £1, including costs
"	"	15 " added water and 30 per cent cream abstracted	Fined 10s., including costs
"	"	10 per cent. cream abstracted	No prosecution
"	"	32 " "	" "
"	"	70 " "	Fined £5 including costs
"	"	89 " "	No prosecution
"	"	6 " "	" "
"	"	18 " added water	Fined £1 and 13s. 6d. costs
"	"	7 " cream abstracted	No prosecution
"	"	43 " "	Fined £2 and £1 2s. 6d. costs
"	"	14 " "	No prosecution
"	"	31 " "	Fined £1 and 13s. 6d. costs
"	"	24 " "	Fined £1 and 8s. costs
"	"	11 " "	No prosecution
"	"	30 " "	Case withdrawn
"	"	5 " added water	No prosecution
"	"	10 " "	Prosecuted. Case withdrawn
"	"	19 " "	No prosecution
"	Private person	33 " "	" "
"	"	6 " "	" "
"	"	45 " cream abstracted	" "
"	"	7 " "	" "
Flour	"	20.5 " moisture	" "
Whiskey	Inspector	29.2 degrees under proof	No prosecution
"	"	28.7 " "	" "
Coffee	"	44 per cent. chicory	" "
"	"	59 " "	" "

TABLE

Showing the number of Samples Analysed during the last
Ten Years.

Year.	Total.	Milk.	Butter.	Bread and Flour.	Gro- ceries.	Wine and Spirits.	Sundries	No. of Samples found adulterated.
1884	125	101	...	8	8	6	2	18
1885	141	74	18	8	19	14	4	16
1886	131	68	24	2	24	11	2	17
1887	169	143	5	...	7	8	6	35
1888	200	106	42	...	34	9	9	17
1889	206	102	11	5	64	22	1	35
1890	187	121	25	1	33	7	...	16
1891	206	110	11	11	48	25	1	40
1892	203	124	24	6	24	18	7	30
1893	218	141	9	10	12	14	32	31

Port Sanitary Authority.

GENTLEMEN,

During the year 6085 vessels have arrived at this port; they have been boarded and examined by Mr. Meades in his double capacity of Harbour Master and Port Sanitary Inspector, and many of them I have visited myself.

The nationalities of the various vessels entering the port from outside the Isle of Wight, were as follows—

British (coastwise)	1197	German	...	7
„ (foreign ports)	302	Dutch	...	6
French	...	Swedish	...	3
Norwegian	...	Spanish	..	2
Danish	...	Austrian	...	1
Russian	...			

Owing to the prevalence of Cholera on the continent of Europe, a careful inspection has been made of every ship coming from any infected country; in no case, however, was any cholera discovered. The water in all ships coming from infected countries was discharged outside Portsmouth Harbour, and the vessel supplied with water from the Portsmouth Company's mains.

During the year, this Authority has been constituted a permanent Port Sanitary Authority, a distinction which was defined in the Local Government Board orders as follows :—

“ The jurisdiction of the said Port Sanitary Authority shall extend to so much of the said Port of Portsmouth as in hereinafter described; viz :—

So much of the Port of Portsmouth as lies to the east of a line drawn due south from the most southerly point of the pier of the London and South-Western Railway Company at Stokes Bay to a point $50^{\circ} 45'$ N. lat. ; to the west of a line drawn due south to the same parallel of latitude from the south-eastern extremity of the common boundary of the parishes of Havant and Warblington, and to the north of a line drawn due west along the same parallel of latitude from the point at which the line lastly hereinbefore mentioned meets the said parallel to the point secondly hereinbefore mentioned ;

together with the waters of the said Port of Portsmouth within such limits, and the place which may from time to time be appointed for the Customs Boarding Station for such part of the said Port, and the place which may from time to time be appointed for the mooring or anchoring of ships for such part of the said Port, under any regulations for the prevention of the spread of diseases issued under the authority of the statutes in that behalf, and the place which may from time to time be appointed, with Our Consent, for the mooring or anchoring of any floating hospital provided by the said Sanitary Authority ; and for the purposes of any such regulations as aforesaid, shall also extend to any ship which, in pursuance thereof, or of any directions given thereunder, shall be moored or anchored at the place appointed thereunder as aforesaid, or which shall be on its way thither, together with the docks, basins, quays, wharves, rivers, creeks, streams, channels, roads, bays, and harbours within the aforesaid limits."

The Portsmouth Port Sanitary Authority fixed, with the approval of the Queen's Harbour Master, the position to be taken by an infected ship, and also the position for the Floating Hospital ; the consent of the Local Government Board was given to that on the 27th October last.

I am, Gentlemen, yours obediently,

B. H. MUMBY, M.D.,

Medical Officer of Health to the Port Sanitary Authority.

Report of the Inspector of Nuisances

FOR THE YEAR 1893.

NOTICES SERVED.

To Cleanse	Cesspits ...	...	49
„	Dwellinghouses ...	...	118
„	Bakehouses	...	6
„	Drains ...	...	397
„	Water Closets	...	169
„	Yards, Stables, Sties, &c.	...	93
„	Slaughterhouses	...	3
„	Rain Water Tanks...	...	4
„	and Limewash Workshops	...	43
To Remove	Animals ...	...	3
„	Manure ...	...	94
„	Refuse ...	...	91
„	Bones ...	...	1
„	Rags ...	...	1
„	Human Excrement	...	9
„	Stagnant Water ...	...	19
„	Entrails ...	...	1
To Repair	Cellar Coverings ...	...	51
„	Drains ...	...	612
„	Soil Pipes ...	...	4
„	Rain Water Spouts	...	136
„	Water Closets ...	...	2
„	Water Closet Fittings	...	195
„	Manure Pits ...	...	5
„	Dwellinghouses	...	72
„	Sanitary Defects in Dwellinghouses	...	831
„	Sanitary Defects in Workshops		18
To Construct	Smoke Consuming Apparatus	...	2
„	Yard Traps	...	11
„	Ash Pits ...	...	3

To Construct Water Closets	...	2
„ Scullery Sinks	... ..	3
„ Waste Pipes	...	2
To Provide Rain Water Spouts	...	10
„ New Water Closet Pans	...	6
To Repave Yards, Stables, &c....	...	602
To Ventilate Workshops	...	10
„ Drains	... ..	44
To Repair or Raise Ventilating Shafts	...	39
To Drain Yards, Stables, Sties, &c.	...	30
To Comply with Slaughterhouse Bye-laws	...	44
„ „ Nuisance	... ..	159
To Tank Urinals	... ..	5
„ Manure Pits	... ..	13
To Fill in Dead Well	... ..	1
To Lay on Water for Use of Tenants	..	11
To Connect Premises with Main Sewer	...	1
To Discontinue Overcrowding in Dwellings	...	3
„ „ „ Workshops		32
To Disconnect Waste Pipes from Drains	...	3
Total		<u>4063</u>

NUISANCES REMOVED.

Cesspits	...	Cleansed	...	57
Drains	...	„	...	394
Cellar	...	„	...	1
Slaughterhouses	..	„	...	8
Dwellinghouses	...	„	...	88
Yards, Stables, Sties, &c.	...	„	...	99
Water Closets	...	„	...	181
Bakehouses	...	„	...	3
Rain Water Tanks	„	...	...	3
Bedding	... „	...		1
Workshops Cleansed and Limewashed			...	60
Manure	...	Removed	...	91
Animals	...	„	...	4

Refuse ...	Removed ...	79
Human Excrement ...	„ ...	12
Stagnant Water	... „ ...	14
Rags ...	„ ...	6
Bones and Fat	... „ ...	7
Entrails ...	„ ...	1
Water Closet Fittings	Repaired ...	192
Water Closets ...	„ ...	2
Drains ...	... „ ...	606
Rain Water Spouts ...	„ ...	158
Cellar Coverings	... „ ...	41
Dwellinghouses ...	„ ...	78
Waste Pipes	... „ ...	2
Soil Pipes ..	„ ...	7
Urinals ...	... „ ...	5
Sanitary defects in dwellinghouses	„ ...	781
„ „ Workshops	„ ...	13
Yard Traps ...	Constructed ...	18
Ash Pit ...	... „ ...	1
Rain Water Spouts ...	Provided ...	22
New Water Closet Pans	... „ ...	23
Waste Pipes ...	„ ...	5
Scullery Sink	... „ ...	1
Ventilating Shafts Raised and Repaired	..	78
Drains Ventilated ...	...	68
Workshops Ventilated ..	...	3
Water Laid on for Use of Tenants	...	17
Yards, Stables, Sties, &c., Repaved	...	633
Stables Drained ..	..	11
Overcrowding Discontinued in Dwellings	...	2
„ „ Workshops		87
Slaughterhouse Bye-Laws Complied with	...	41
Nuisance „ „ „	...	58
Manure Pits Tanked ...	...	10
Waste Pipes Disconnected from Drain ...		12
Smoke Nuisance Abated ...	...	1
Total ...		<u>4094</u>

The undermentioned Articles have been destroyed during the year, as unfit for the Food of Man:—

MEAT.

Carcase of Ox	...	...	1
Carcases of Cows	...	...	3
„ Sheep	...	...	12
„ Pigs	...	...	78
Carcase of Calf	...	...	1
„ Lamb	..	...	1
Quarters of Beef	...	...	4
Pieces of Beef	...	cwt. 10, qrs. 2, lbs.	27
„ Pork	...	...	28
Pigs' Plucks	...	..	28
„ Entrails	...	... cwt.	1
Set of Lungs	...	...	1
Livers	...	...	4

FISH.

Herrings	...	...	(Boxes of 700 Fish)	3
„	...	...	(Barrels of 600 Fish)	17
Bloaters	..	...	Boxes	562
Kippers	..	...	„	149
Haddock	...	...	... „	133
Whiting	...	...	„	7
„	...	...	... cwt.	1
Hake	...	...	„	9
„	..	...	Barrels	5
„	...	...		4
Mullet	...	...	... Boxes	4
Ling	..	..	Barrels	2
Codlings	...	...	... Boxes	41
Cod Fish	...	...	cwt.	8
„	...	...	... Barrel	1
„	...	...		21

Smelts	...	...	Bushels	14
„	...	...	Boxes	9
Shrimps	...	..	Baskets	6
Plaice	...	...	cwt.	5½
„	...	...	Barrels	2
„	...	...	Boxes	3
„	...	...	...	160
Mackerel	...	...		720
Escalops	...	...	... Bag	1
Sprats	...	...	Barrels	22
Gurnet	...	...	... cwt.	2
Mixed Fish	...	...	Barrel	1

FRUIT.

Pears	...	...	Bushels	9
„	...	...	Boxes	49
Plums	...	...	Baskets	54
Greengages	...	...	„	21
Peaches	...	...	... Boxes	6
Tomatoes	...	...	„	19

INSPECTION.

During the year, 4063 notices were served to abate nuisances, and 4094 nuisances were removed.

10648 dwellinghouses have been examined.

6821 visits have been made to the various slaughterhouses.

2613 visits have been made to the various dairies, cowsheds and milkshops.

1009 visits have been made to the common lodging houses, of which number 294 were night visits.

1601 visits have been made by the Sanitary Inspectors to the different Bakehouses, and 290 visits have been made by the Workshop Inspector.

2202 visits have been made to the various workshops.

1159 complaints, relative to nuisances have been made at the office, and received attention.

INFECTIOUS AND ZYMOTIC DISEASES.

2819 cases of Infectious and Zymotic Diseases have been visited and investigated.

1931 rooms have been disinfected, and disinfectants supplied at all houses where cases of Infectious Diseases have occurred.

FOOD AND DRUGS ACT.

During the year 211 samples of Food and Drugs have been obtained by the Inspectors, and submitted to the Public Analyst for analysis.

DRAINS TESTED.

During the year, 3284 Drains have been tested or re-tested, of which number 1316, or 40 per cent. were found defective. A large portion of the Inspectors' time is occupied by this work, as too often the repairs are entrusted by the owners to utterly incompetent men, who require almost continual watching on the part of the Inspectors to obtain sound joints. Thus, it frequently happens that a small job will require half-a-dozen visits from the Inspector of the district.

PROSECUTIONS AND FINES.

Proceedings have been taken under the Public Health Act for non-compliance with notices to abate nuisances in 29 cases. Orders to abate nuisances were made by the Magistrates in 10 instances, and Fines and Costs amounting to £7 os. 6d. inflicted. In two cases the summonses were dismissed, the work being done before the hearing of the cases, and the remainder were withdrawn on the necessary repairs being carried out to the satisfaction of the Authority.

Proceedings were also taken under the Public Health Act against four persons, for having in their possession, or exposed for sale, Meat and Fish which was unfit for the Food of Man. Convictions were obtained in three cases, when Fines and Costs to the amount of £27 15s. were inflicted.

One person was fined £1, including costs, for exposing a patient in the public street, whilst suffering from scarlet fever.

Under Section 30 of the Building Bye-Laws, six informations were laid against one person for letting premises which had been declared by the Local

Authority to be unfit for human habitation. He was fined £1, including costs, in one case, and the costs in the remaining cases, amounting to £1 15s. 11d.

Six persons were summoned for non-compliance with the Slaughterhouse Bye-Laws, five were convicted, and Fines, amounting to £3 10s. inflicted, and one case was dismissed.

One person was fined £1 14s. 6d., including costs, for carrying on the trade of Purveyor of Milk, without being registered in accordance with the Dairies, Cowsheds, and Milkshops Order.

Proceedings were taken against one person, under the Towns Police Clauses Act, for using as a slaughterhouse premises which were not licensed for the purpose. The case was dismissed.

Under the new Bye-laws made with respect to Nuisances, one person was fined £2 for keeping swine within 100 feet of a dwellinghouse.

Under the Sale of Food and Drugs Act, twelve Dairymen were summoned for selling to the Inspectors adulterated milk. Eight were convicted, and Fines and Costs amounting to £17 2s. imposed; two cases were dismissed and two withdrawn.

I am, Gentlemen,

Your obedient Servant,

FRED. L. BELL,

Cert. Sant. Inst.

Inspector of Nuisances.

Contagious Diseases (Animals) Act, 1878.

INSPECTOR'S REPORT

FOR THE YEAR ENDING DECEMBER 31st, 1893.

INSPECTION OF CATTLE.

The undermentioned Cattle have been inspected during the year, the majority arriving at the Railway Station from different markets and other places :—

Beasts	...	...	...	7,329
Sheep	...	...	...	39,634
Calves	...	...	...	4,634
Pigs	...	...	...	13,364
				<hr/>
Total				64,961

No Foreign Animals have arrived at the Foreign Animals' Wharf during the whole of the year.

2,214 cattle trucks, 1,268 horse-boxes, and 468 tow boats have been inspected, and in every case I found them cleansed and lime-washed, as required by the Board of Agriculture orders.

SWINE FEVER.—Four outbreaks of the above disease have occurred in different parts of the Borough ; 38 animals have been slaughtered by order of the Local Authority, one was killed by the owner, and six have died, making a total of 45 animals attacked by the disease.

I am pleased to report that the Borough has not been visited by any other Contagious Disease during the whole of the year; this is due in a great measure to the prompt action taken by the Board of Agriculture in making an order directly a case has become known to them, and in so doing have stamped out the disease before it had spread over a very wide area.

I remain, Gentlemen,

Your obedient Servant,

GEO. W. MONKCOM,

Inspector under the C. D. (A.) Act.

PORTSMOUTH :—

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